



HIQ eStore

Home Battery Storage System - Technical Data Sheet

	eStore F	eStore D
general		
coupling		DC/AC
hybrid technology		up to 3 generators (PV, Wind, CHP)
visualisation		internet or local desktop-application
Smart-Home (load management)		optional (up to 8 loads)
pv input (DC)		
max. power	4500 W	14850 W
max. charging voltage	500 VDC	900 VDC
min. voltage	150 VDC	320 VDC
mppt range	250 VDC to 450 VDC	350 to 850 VDC
max. amp	18 A (max. 2 strings)	2 x 18.6 A (max. 4 strings)
MPP-Trackers	1	2
output power (AC)		
discharge power	3000 W (max. 0.5C)	10000 W (max. 0.5C)
voltage	230 VAC	230 VAC (P-N) / 400 VAC (P-P)
output current	13.1 A / phase	14.5 A / phase
grid-phase	1	3
3 phase compensation	/	yes
battery		
cell		power cell 19 Ah (used also for electric vehicles)
cell type		LiFePO4 (lithium iron phosphate)
cycles		4500
nominal storage capacity	3 kWh / 6 kWh / 9 kWh	9 kWh to 54 kWh (3 kWh - steps)
usable battery capacity	2.4 kWh / 4.8 kWh / 7.2 kWh	7.2 kWh to 43.2 kWh (2.4 kWh - steps)
max. charging / discharging current		30 A per battery module
battery management system		cell monitoring
general data		
dimensions (housing in cm) B / T / H	60 / 57 / 118	60 / 57 / 118 (min. 2 to max. 4 housings)
weight (in kg)	80 + 38 per battery module	106 + 38 per battery module
ambient temperature (in °C)		+ 5 to + 30
norms		
transport		UN 38.3
operations		EN 62619, EN 62109, EN 61427, EN 50727
network connection		VDE 4105, VDE 0126